

ABSTRACT OF THE DISCLOSURE

The present invention provides for a DC power pooling system for an Ethernet
5 network comprising: a plurality of DC electrical power consuming and providing
Ethernet nodes, each of the plurality of DC electrical power consuming and providing
Ethernet nodes having at least a first operative mode in which it may provide more
electrical power than it consumes and a second operative mode in which it may consume
more electrical power than it provides; electrical power interconnections, interconnecting
10 the plurality of DC electrical power consuming and providing Ethernet nodes and
permitting electrical power flow thereto and therefrom; and at least one controller in
communication with the plurality of DC electrical power consuming and providing
Ethernet nodes and being operative to employ the communication to govern electrical
power provided by at least one of the plurality of DC electrical power consuming and
15 providing Ethernet nodes.